FIG_1

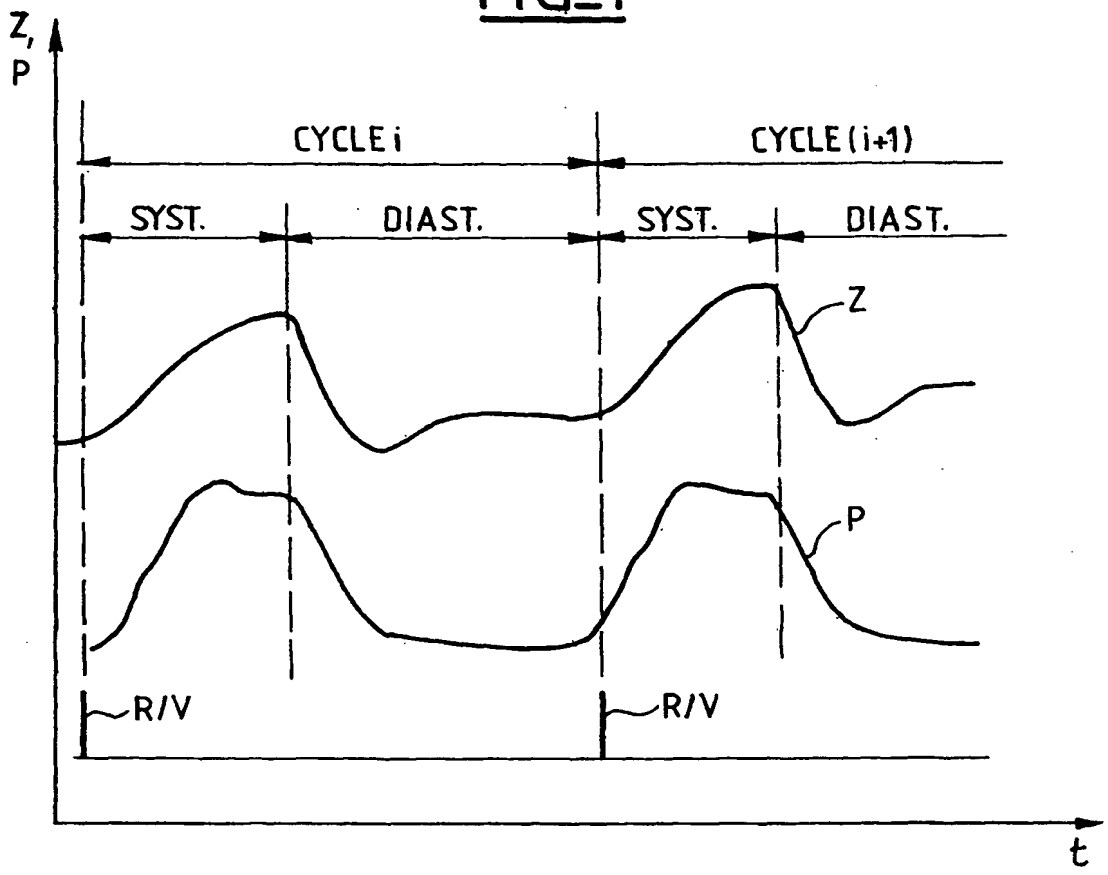

Z,
P
CYCLE i
CYCLE (i+1)
SYST.
DIAST.
SYST.
DIAST.
Z
P
R/V
R/V
t

FIG_2

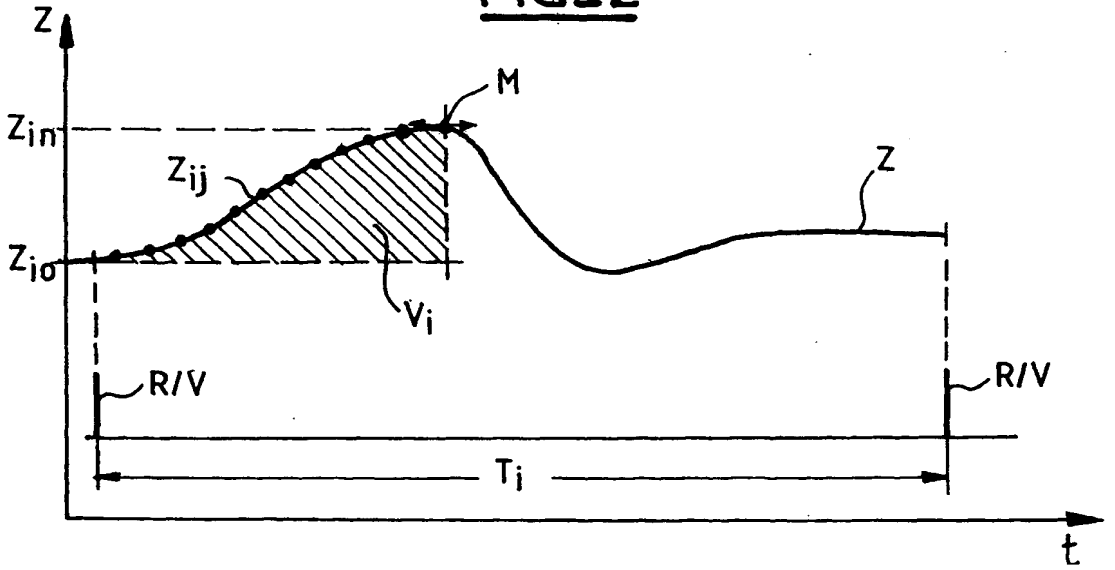
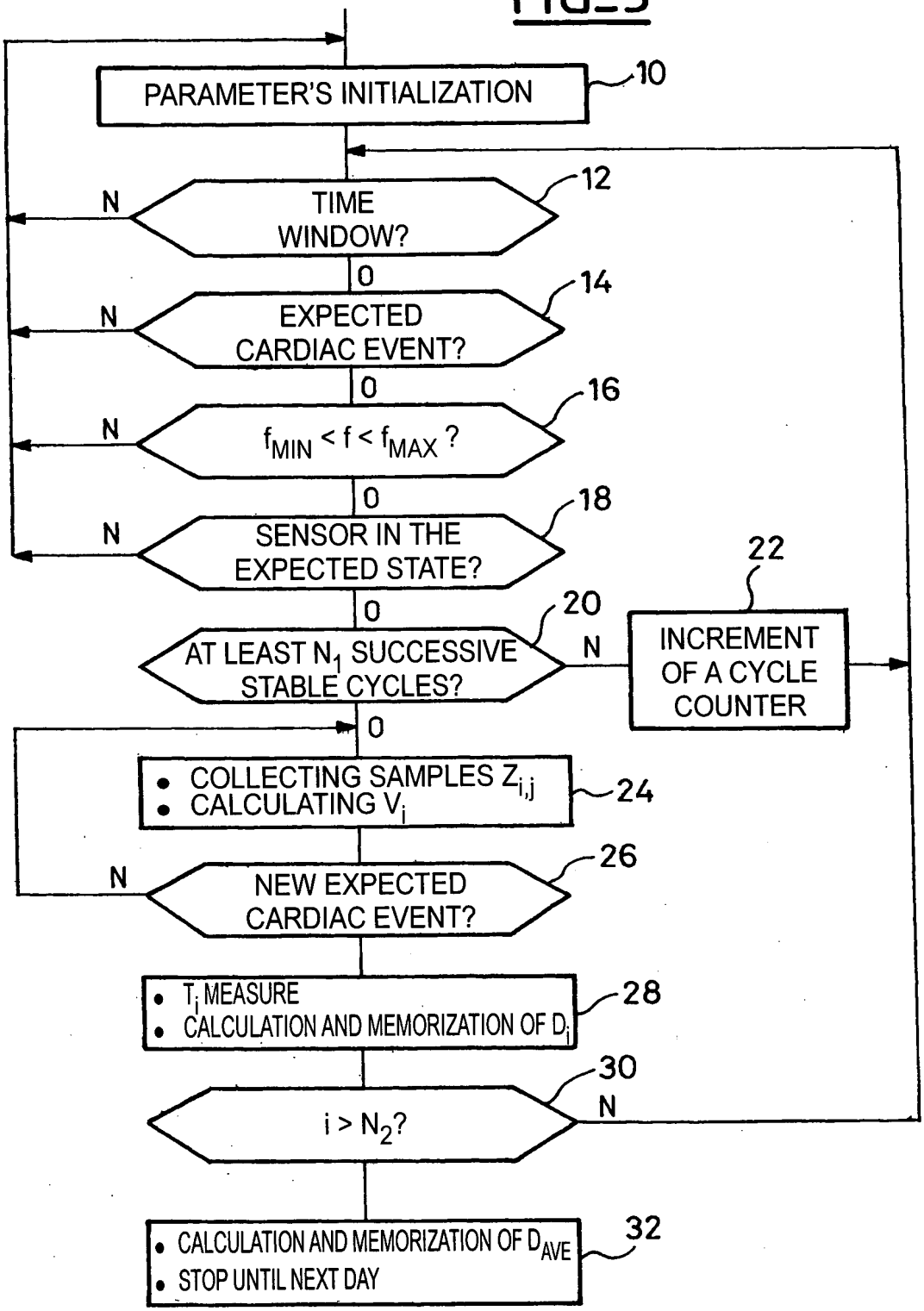

Z
M
Zin
Zij
Z
Zio
Vi
R/V
R/V
Ti
t

FIG_3


PARAMETER'S INITIALIZATION
10
TIME WINDOW?
12
N
O
EXPECTED CARDIAC EVENT?
14
N
O
$f_{MIN} < f < f_{MAX}$?
16
N
O
SENSOR IN THE EXPECTED STATE?
18
N
O
AT LEAST N_1 SUCCESSIVE STABLE CYCLES?
20
N
INCREMENT OF A CYCLE COUNTER
22
O
• COLLECTING SAMPLES $Z_{i,j}$
• CALCULATING V_i
24
NEW EXPECTED CARDIAC EVENT?
26
N
• T_i MEASURE
• CALCULATION AND MEMORIZATION OF D_i
28
$i > N_2$?
30
N
• CALCULATION AND MEMORIZATION OF D_{AVE}
• STOP UNTIL NEXT DAY
32